**AVINASH M**

**Sr. Java Developer**

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**PROFESSIONAL SUMMARY:**

**10 years** of **professional** **experience** in all the phases of software development life cycle like Design, Development, Integration of Client/Server environment, **Documentation**, **Implementation** and **Testing** and Strong in **Data** **Structures** and **Algorithms**.

* Expert in Various Software development methodologies like Waterfall model, Agile and its methodologies like Test Driven Development, Incremental, and Iteration methodology.
* Proficient in **Java/J2EE/SpringBoot** based web application design and development.
* Proficient in **Elasticsearch**, **data** **modeling**, and **querying** using **log** **aggregation**, **data** **extraction**, and **reporting** using **Elasticsearch**, **Logstash**, and **Kibana** tools.
* Expert in HTML5/CSS3 development and have experience in Backbone.js, Require.js, Node.js, **Angular** **8/9/10/11/12**, Grunt JS, and Responsive design.
* Experience in **Micro** **services** development using **spring** **boot** and deployment in **Pivotal** **Cloud** **Foundry** (PCF).
* Experience in creating comprehensive web applications using **MEAN** stack implemented with **MS** **SQL**, **Express**, Angular JS 2/4/5 and Node.js, **Java** 8, 10, 11.
* Experience in Cloud Computing using PCF, Docker, **AWS** **EC2**, and **S3**.
* Designed and implemented error handling mechanisms and message retry strategies using IBM MQ dead-letter queues and message expiration policies, ensuring fault tolerance and message durability.
* Hands-on experience in the development of **Microservices**and deploying in **Docker.**
* Experience in developing scalable solutions using **NoSQL databases CASSANDRA, and Mongo DB**.
* Experience in creating Docker images, Containers, push/pull and integrating with **Spring Boot.**
* Experience in **MVVM** client-side JavaScript frameworks such as **Angular6** and **Angular8**.
* Proficient with **Typescript** **ES6** new features block scope, type restrictions, decorators, arrow functions, classes, interfaces, and modules (import and exports).
* Implemented **Cloud Foundry** for application deployment and management in a cloud environment.
* I have profound experience in Core Java 1.8 features **like multi-Threading, concurrency, Stream and Filters API, Lambda functions** and Functional interface programming.
* Expertise in implementation of **J2EE** **Technologies**: JSP, JTS, Servlets, JSF, JSTL, EJB transaction implementation, JMS, Struts2.0, Swing, **Hibernate**, **Java Beans**, JDBC, XML, **Web** **Services**, JNDI, Swing, **Serialization** and **Externalization**.
* Extensively worked on the Spring life cycle and its related modules like **Spring** **Core**, **Spring** **IOC**, **Spring** **AOP**, **Spring MVC**, Spring Transaction Management, **Spring Batch, Spring Cloud, and Spring data**.
* Experience in developing web applications on MVC-based frameworks like **Spring**, **Spring** **IOC**, **Spring** **Security**, **Spring Boot, Spring Cloud, and Spring MVC**.
* Developed the application using industry-standard design patterns like **Singleton**, **Business** **Delegate**, **MVC** and Factory Pattern, etc. for re-usability.
* Included **Apache Kafka** in **Spring Boot** application for API integration and Data Processing Pipeline for persistent messaging, working with **Apache Kafka** with **Spring Integration** which provides inbound adapters for working with low-level and high-level **Apache Kafka API**.
* Authenticated Users accessing RESTful services using **OAuth 2.0**, **OIDC**, and **JWT** (Jason Web token).
* Expertise knowledge in transactions frameworks like **Spring AOP**, **JTA**, and **Spring Transaction Management**.
* Experience in developing persistence layer using ORM frameworks like **JPA**, **Hibernate**, **IBATIS,** and **Spring** **Data**.
* Experience in deploying applications using **Docker** **container** **services** and **building** **Continuous** **Integration** (CI) and Deployment (CD) pipelines using **Jenkins** with **GitHub**.

**TECHNICAL SKILLS:**



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| **Languages** | Java, J2EE, C, C++, SQL, PL/SQL |
| **Enterprise Java** | Java, J2EE, Swing, RMI, Sockets, JDBC, Servlets, JSP, JMS, Java Beans, JSTL, JSF, Struts, EJB, Spring, JTA, JNDI and JPA |
| **Web/XML Technologies** | HTML5, CSS3, JavaScript, jQuery, ReactJS, AngularJS, Angular2/6, BackboneJS, ReactJS, XML, XSD, XSL/XSLT, SAX/DOM, AJAX, JSON, DOJO and NodeJS. |
| **Tools & Framework** | Struts, Hibernate, Spring MVC, Spring Web Flow, Spring IOC, Spring AOP, JMS, JSF, Log4J, SOA, Jasper reports, Spring Boot, Spring Batch, Spring Security, Spring Data, Jersey. |
| **Web services** | SOAP, RESTful, UDDI, WSDL, JAX-RPC, JAX-RS, JAX-WS, JAX-B, Micro services, Apache Axis and Apache CFX. |
| **Web/App Servers** | Web Sphere, WebLogic, Apache, Tomcat and JBoss. |
| **Database** | OracleDB, SQL-Server, MySQL server, MS SQL, PL/SQL, MongoDB and NoSQL |
| **Development Tools** | Eclipse, RAD, Spring Tool Suite (STS) and IntelliJ |
| **O-R mapping** | Hibernate, JPA and JTA  |
| **Testing Tools/ Others** | JUnit, Jasmine, SoapUI, Postman, Putty, Rational Clear Quest, RTC, Load UI and JIRA |
| **Version Control** | GIT, CVS, SVN, Rational clear case and Star Team |
| **Platforms** | Windows, Win 2k Server, Sun Solaris and UNIX |
| **Cloud Technologies** | AWS (Amazon Web Services) |

**EDUCATIONAL BACKGROUND:**

**Bachelor of Science in Computer Science-2014**

**Professional Experience:**

**TRUIST BANK, NJ**

**Role: Sr. Java Developer**

**Feb 2023 – Till Date**

**Description**:

TRUIST Bank is a prominent North American financial institution. As a Java Developer with TRUIST Bank, I have played a key role in designing and implementing digital banking solutions, enhancing online customer portals, and streamlining backend systems to ensure swift and secure financial transactions.

**Responsibilities**:

* Involved in the analysis, design, and development phases of the **Software Development Life Cycle (SDLC)** using **Agile (SCRUM)** development methodology and **Test-Driven Development** process to deliver regular updates to business team and project managers.
* Developed **UI** pages using **HTML5, TypeScript, Angular 8, Bootstrap, CSS3, jQuery, AJAX and NodeJS**.
* Build the reusable service components with **Angular 8, Bootstrap and JSX** to use across modules.
* Implemented **jQuery** to develop the widgets and to perform the **client-side validations**.
* Used Core Java and advanced **java 8** features like Lambda expressions for **array operations, Streams, Method reference, Collections, Multi-Threading** etc. Enhanced concurrency methods etc.
* Used Annotations for **Dependency Injection** and **Spring Boot** for **Micro services**. Implemented functionalities using **Spring IO / Spring Boot** with Hibernate ORM
* Used **Spring Framework** **AOP Module** to implement logging in the application to know the application status.
* Developed Application to access **JSON** and **XML** from Restful web service.
* Used **Micro Services** architecture with **Spring Boot services** interacting through **REST**.
* Deployed Spring Boot based Micro Services into **Docker containers** using Amazon EC2 container services and implemented Spring REST to create **REST endpoints and integrated Swagger to get dynamic documentation.**
* Implemented **Cloud Foundry** for application deployment and management in a cloud environment.
* Worked on partition of Kafka messages and setting up the replication factors in **Kafka** Cluster.
* Used **HQL,** NamedParameters**,** Queries, and Interfaces such as Expression, Query and Criteria for implementation of **Hibernate template** and used **Hibernate Cache.**
* Experience in working with Amazon Web Services(AWS) like EC2, S3, **Amazon simple DB**, **Amazon RDS**, Amazon Elastic Load Balancing, **AWS identity**, **Amazon SQS** and access management**, AWS cloud watch**, **AWS EBS**.
* Used **AWS** Cloud watch in alerting, maintaining, and monitoring of production and servers.
* **Experience with building Docker Images and running them on Docker container.**
* Configured and administered Jenkins for **CI/CD** into **Tomcat Application Server**.
* Used **JIRA** to assign, track, report and audit the issues in the application by sprint process.
* Used **IntelliJ** for development and debugging the application and Used **GIT for version** control.
* Developed **Mongo** **DB** Data Access Layer implementing **Mongo** Repository interface from Spring Data.
* Report generation in **MongoDB** using **JavaScript, shell scripting, java**
* Wrote **SQL Queries**, **Stored Procedures**, **Triggers**, Views, and enhanced performance with explain plans.

**Environment**:

**Core Java, Java 8/J2EE, Angular 8, TypeScript, Spring Boot, Spring Security, Eureka, Hibernate 4.x, Microservices, REST, Docker, AWS IAM, JIRA, Git, Maven, Jenkins, Mockito, MongoDB,Oracle**.



**COMMONWEALTH BANK**

**Role: Java Developer**

**June 2019 – Nov 2022**

**Description**:

Commonwealth Bank of Australia provides banking, life insurance, and related services for individuals, small businesses, and medium sized commercial enterprises. As a developer I have worked on different APIs like profile management service, statement service and payment processing APIs like VISA and master cards.

**Responsibilities**:

* Created multiple **REST endpoints** performing different functionalities including **JSON** input and Multipart file input.
* Designing and developing **Restful APIs** using best practices to interact within the **microservices** and with the front end.
* Created **CI/CD** pipelines and created **Jenkins** to deploy builds to **AWS**.
* Developed **POJOs** for Data Model and made individual **HBM** records to delineate Java Objects with **Relational database tables**.
* Conducted unit testing using the open-source **Karma** and **Jasmine** tools and used Protractor for end-to-end testing.
* Responsible for creating graphical data representations using **React JS**.
* Developed **RESTful** web service using the Spring Reactive **Handler, Router and Web Client components** to perform the business needs.
* Developed code for automated email using **Python** and sending reports to internal members by using automated email.
* Developed and executed integration tests using **frameworks** such as **JUnit** to validate the correctness of
* **MongoDB** interactions within the Java application.
* Developed **CI/CD** system with Jenkins on **Kubernete**s environment, utilized Kubernetes and Docker for the runtime environment for the **CI/CD** system to build, Test, and Deploy.
* Worked on Kafka integration with **Spark** using **Spark Streaming API**.
* Used **Node.js** for server-side rendering and integration with designs and requirements.
* Implemented functionalities using **Spring Boot** and **Hibernate ORM**.
* Used **ReactJS** to capture user actions and render the relevant action, as well as dynamically render the **UI** based on user actions.
* Utilized **Web Sockets** with **React** to maintain consistent and real-time state across users.
* Used **Spring** framework for the **MVC** implementation with spring for **DI, Hibernate** as **ORM tool**, and Simple **JDBC** calls for database communication.
* Utilized **Jenkins** for continuous integration and deployment into the **WebLogic application server.**
* Designed and developed asynchronous **RESTful Microservices** using Spring boot that is consumed by other microservices.

**Environment**:

**Agile (SCRUM), Java 8, HTML5, CSS3, JavaScript, jQuery, Ajax, Bootstrap, ReactJs, AWS (Amazon web services), Micro-Services, Spring, Kafka, Spring Batch, Spring Boot, Spring Security, Servlet, XML, GIT, Spring MVC, JDBC, JUnit, Maven, Restful, Log4J, Java Server Pages, JIRA, Jenkins, and STS**.

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**HCL TECHNOLOGIES**

**Role: Java Back End developer**

**April 2016- July 2019**

**Responsibilities**:

* Followed **Agile (Scrum)** development methodology and participated in daily Stand-up meetings to update the task status on the assigned tasks such as technical documentation, development of different modules.
* Involved in design and implementation of Microservices using Spring Boot and **CI/CD** tools on **Kubernetes**.
* Developed and maintained **troubleshooting** flows on top of microservices using **BPMN** tools such as **Bonita** and **Red Hat PAM**.
* Worked Extensively on **Spring Boot** to build several services as external **microservices** and configure them to communicate with each other or with another part of the system.
* Used **Amazon Cloud Watch** to monitor **AWS** services and **Amazon Cloud Watch** logs to monitor application.
* Build and maintain code repositories and code migrations using **CI/CD** strategies **(GIT, SVN, CSV, Jenkins**).
* Used Hibernate framework for **object relational mapping** and persistence.
* Involved in writing **SQL** queries, stored **procedures**, and **triggers** in databases via **Oracle** and **DB2**.
* Involved in developing and modifying **UNIX** shell scripts for batch jobs.
* Used **Microservice** architecture with **SpringBoot** based services interacting through a combination of REST and **Apache Kafka** message brokers and worked with **Kafka Cluster using Zookeeper.**
* Implemented user-friendly web-based applications using **AngularJS, HTML5, CSS3, Bootstrap, Spring and MongoDB.**
* Use of **data structures** and **algorithms** for time and memory complexity reduction
* Implemented **JWT** mechanism for authentication, authorization, and data exchange.
* Used Spring Core for IOC implemented using DI and developing Restful web services.
* Integration of **Amazon Web Services (AWS)** with other applications infrastructure.
* Extensively worked with **CI/CD** tools like **Jenkins** for deploying Microservices on Kubernetes cluster and used Rancher for Kubernetes to monitor the deployed applications.
* Implemented Microservices using **Spring Core, Spring Boot, Spring Data, Spring Rest and Spring Cloud (PCF).**
* Worked on developing applications, automated scripts leveraging **MongoDB**.
* Selecting the appropriate **AWS service** based on computer, data, or security requirements.
* Worked with Behavior Driven Development process and **Test-Driven Development (TDD).**
* Used **GIT** as a version control system and **Bit Bucket** as the source code repository.

**Environment**:

**Java 7, Design Patterns, Microservices, Bonita, RedHat PAM, Spring Boot, Spring JDBC, Hibernate, REST, XML, Eclipse, JBoss, Kafka, UNIX, LINUX, Spring Core, Oracle, SQL, Putty, SQL Server, Swagger, Postman, GIT, CI/CD, AWS, Jenkins, Kubernetes, Junit, Mockito, TDD, Agile, JIRA, Tomcat**.



**SIGMA SOFTWARE SOLUTIONS**

**Role: Java Developer**

**March 2014 – April 2016**

**Responsibilities**:

* Developed web application using **Struts 2.X, JSP, Servlet, Java beans** that uses MVC design pattern.
* Created user-friendly GUI interface and Web pages using **HTML, CSS and JSP**.
* Wrote **JavaScript** and jQuery for client-side validation.
* Used Eclipse as **IDE** tool for creating **Servlet, JSP, and XML**.
* Wrote **SQL** for **JDBC** prepared statements to retrieve the data from database.
* Monitored the logs using **Log4J** and fixed the problem.
* The application was deployed on **Tomcat**.
* Involved in building and deploying the application using **Ant**.
* Used **CVS** as version control system.
* Worked on production bugs with highest priority and worked with the backend team to design **API’s**.
* Implemented test cases and performed end to end **unit testing** and writing the rules.
* Gained exposure on the backend by learning and implementing java in the form of bug fixes.
* Worked on bug **fixing and Production Support**.
* Involved in **UAT** support/ Unit Testing and participated in Build activities.
* Implementing **Log4J** for logging messages with various levels written throughout the Java code.

**Environment**:

**J2EE, JDBC, Struts, JavaScript, Html, CSS, JSP, Servlet, Tomcat, Oracle, Eclipse IDE, CVS, ANT, Log4J**.